

0905 #10



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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/955,259B

DATE: 09/12/2002  
TIME: 12:26:12

Input Set : A:\52071-4.ST25.txt  
Output Set: N:\CRF4\09122002\I955259B.raw

3 <110> APPLICANT: Annibali, Nestor  
5 <120> TITLE OF INVENTION: Expression of a Human Insulin Precursor In P. Pastoris  
7 <130> FILE REFERENCE: 52071.4  
9 <140> CURRENT APPLICATION NUMBER: US 09/955,259B  
C. > 10 <141> CURRENT FILING DATE: 2002-08-30  
12 <160> NUMBER OF SEQ ID NOS: 26  
14 <170> SOFTWARE: PatentIn version 3.1  
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18 <212> TYPE: DNA  
19 <213> ORGANISM: Artificial Sequence  
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22 <223> OTHER INFORMATION: Synthetic Primer  
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31 <213> ORGANISM: Artificial Sequence  
33 <220> FEATURE:  
34 <223> OTHER INFORMATION: Synthetic Primer  
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54 <212> TYPE: DNA  
55 <213> ORGANISM: Artificial Sequence  
57 <220> FEATURE:  
58 <223> OTHER INFORMATION: Synthetic Primer  
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67 <213> ORGANISM: Artificial Sequence

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69 <220> FEATURE:  
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77 <211> LENGTH: 162  
78 <212> TYPE: DNA  
79 <213> ORGANISM: Artificial Sequence  
81 <220> FEATURE:  
82 <223> OTHER INFORMATION: complete synthetic insulin precursor obtained by PCR using  
human  
83       insulin sequence as original source  
85 <400> SEQUENCE: 6  
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88 gaacgaggct tcttctacac accaaagacc aagcggtggca ttgtggaaaca atgctgtacc 120  
90 agcatctgct ccctctacca gctggagaac tactgcaact ag 162  
93 <210> SEQ ID NO: 7  
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95 <212> TYPE: DNA  
96 <213> ORGANISM: Artificial Sequence  
98 <220> FEATURE:  
99 <223> OTHER INFORMATION: Synthetic Primer  
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107 <212> TYPE: DNA  
108 <213> ORGANISM: Artificial Sequence  
110 <220> FEATURE:  
111 <223> OTHER INFORMATION: Synthetic Primer  
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117 <210> SEQ ID NO: 9  
118 <211> LENGTH: 33  
119 <212> TYPE: DNA  
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122 <220> FEATURE:  
123 <223> OTHER INFORMATION: Synthetic Primer  
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134 <220> FEATURE:  
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140 ttgttc 66  
143 <210> SEQ ID NO: 11

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145 <212> TYPE: DNA
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157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: synthetic insulin precursor, obtained by PCR using human
insulin
162 sequence as original source
164 <400> SEQUENCE: 12
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167 gaaagagggt tcttctacac tccaaagact aagagaggta tcgttgaaca atgttgtact 120
169 tctatctgtt ctttgatcca attggaaaac tactgtaact aa 162
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187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Synthetic Primer
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200 <212> TYPE: DNA
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218 <223> OTHER INFORMATION: Synthetic Primer  
 220 <400> SEQUENCE: 16  
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 228 <212> TYPE: DNA  
 229 <213> ORGANISM: Artificial Sequence  
 231 <220> FEATURE:  
 232 <223> OTHER INFORMATION: Synthetic Primer  
 234 <400> SEQUENCE: 17  
 235 ccgcctcgaga gaaacaccct cttccttagc agcgatagaa gcgatagtag tggatgaa 60  
 237 caacaaacca tt 72  
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 241 <211> LENGTH: 267  
 242 <212> TYPE: DNA  
 243 <213> ORGANISM: Artificial Sequence  
 245 <220> FEATURE:  
 246 <223> OTHER INFORMATION: synthetic sequence of alpha factor from S. cerevisiae,  
 obtained b  
 247 y PCR  
 249 <400> SEQUENCE: 18  
 250 atgagattcc catctatctt cactgctgtt ttgttcgttg ctgtttctgc tttggctgct 60  
 252 cctgttaaca ctactactga agacgaaact gctcaaattcc cagctgaagc ggatatcggt 120  
 254 tactctgact tggaaaggta cttcgacgtt gctgtttgc ctgtttctaa ctctactaat 180  
 256 aatggtttg tggatcatcaa cactactatc gcttctatcg ctgctaagga agagggtgtt 240  
 258 tctctcgaga agagagaggc tgaagca 267  
 261 <210> SEQ ID NO: 19  
 262 <211> LENGTH: 44  
 263 <212> TYPE: DNA  
 264 <213> ORGANISM: Artificial Sequence  
 266 <220> FEATURE:  
 267 <223> OTHER INFORMATION: Synthetic Primer  
 269 <400> SEQUENCE: 19  
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 274 <211> LENGTH: 32  
 275 <212> TYPE: DNA  
 276 <213> ORGANISM: Artificial Sequence  
 278 <220> FEATURE:  
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 286 <211> LENGTH: 30  
 287 <212> TYPE: DNA  
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294 tcactcgagc ggtctagttg cagtagttct 30  
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330 agcagcacca gtggaaagat 19  
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339 <223> OTHER INFORMATION: Synthetic Primer  
341 <400> SEQUENCE: 25  
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345 <210> SEQ ID NO: 26  
346 <211> LENGTH: 4  
347 <212> TYPE: PRT  
348 <213> ORGANISM: Saccharomyces cerevisiae  
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352 Lys Arg Glu Ala  
353 1

VERIFICATION SUMMARY DATE: 09/12/2002  
PATENT APPLICATION: US/09/955,259B TIME: 12:26:13

Input Set : A:\52071-4.ST25.txt  
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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date